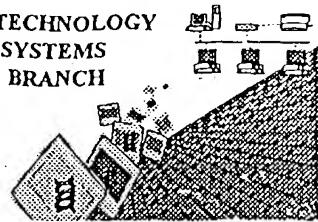


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/698,121
Source: 1FW0
Date Processed by STIC: 5/7/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

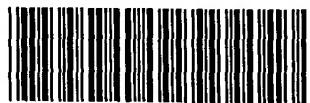
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <u>10/698,121</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters , instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text .	
5 <input type="checkbox"/> Variable Length	Sequence(s) <input type="checkbox"/> contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue . Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) <input type="checkbox"/> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences .	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped	
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional , please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input type="checkbox"/> Use of <220>	Sequence(s) <input type="checkbox"/> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n/Xaa	"n" can only represent a single <u>nucleotide</u> ; "Xaa" can only represent a single <u>amino acid</u>	



IFN0

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/698,121

DATE: 05/07/2004

TIME: 14:08:46

Input Set : A:\249.00070101.SEQ_LIST.ST25.txt
 Output Set: N:\CRF4\05072004\J698121.raw

3 <110> APPLICANT: Boys Town National Research Hospital
 4 Cosgrove, Dominic
 6 <120> TITLE OF INVENTION: INDUCIBLE LIGAND FOR ALPHA1BETA1 INTEGRIN AND USES
 8 <130> FILE REFERENCE: 249.0007 0101
 10 <140> CURRENT APPLICATION NUMBER: 10/698,121
 11 <141> CURRENT FILING DATE: 2003-10-31
 13 <150> PRIOR APPLICATION NUMBER: 60/423,297
 14 <151> PRIOR FILING DATE: 2002-11-01
 16 <160> NUMBER OF SEQ ID NOS: 10
 18 <170> SOFTWARE: PatentIn version 3.2
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 8
 22 <212> TYPE: PRT
 23 <213> ORGANISM: artificial
 25 <220> FEATURE:
 26 <223> OTHER INFORMATION: peptide *insufficient* *Explanation - give source*
 28 <400> SEQUENCE: 1
 30 Gly Ala Glu Gly Ser Pro Gly Leu
 31 1 5
 34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 12
 36 <212> TYPE: PRT
 37 <213> ORGANISM: artificial *same error*
 39 <220> FEATURE:
 40 <223> OTHER INFORMATION: peptide
 42 <400> SEQUENCE: 2
 44 Gly Glu Lys Gly Ala Glu Gly Ser Pro Gly Leu Leu
 45 1 5 10
 48 <210> SEQ ID NO: 3
 49 <211> LENGTH: 20
 50 <212> TYPE: DNA
 51 <213> ORGANISM: artificial
 53 <220> FEATURE:
 54 <223> OTHER INFORMATION: oligonucleotide primer
 56 <400> SEQUENCE: 3
 57 ggagctgtcg tattccagtc
 60 <210> SEQ ID NO: 4
 61 <211> LENGTH: 20
 62 <212> TYPE: DNA
 63 <213> ORGANISM: artificial
 65 <220> FEATURE:
 66 <223> OTHER INFORMATION: oligonucleotide primer
 68 <400> SEQUENCE: 4

pp 1-2
Does Not Comply
Connected Diskette Needed

Explanation - give source
of genetic material

(see item 1 on Error
Summary
Sheet)

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/698,121

DATE: 05/07/2004

TIME: 14:08:46

Input Set : A:\249.00070101.SEQ LIST.ST25.txt

Output Set: N:\CRF4\05072004\J698121.raw

69 aaccctcaa gaccgttta. 20
 72 <210> SEQ ID NO: 5
 73 <211> LENGTH: 30
 74 <212> TYPE: DNA
 75 <213> ORGANISM: artificial
 77 <220> FEATURE:
 78 <223> OTHER INFORMATION: oligonucleotide primer
 80 <400> SEQUENCE: 5
 81 ggtgaaggtc ggagtcaacg gatttggtcg 30
 84 <210> SEQ ID NO: 6
 85 <211> LENGTH: 29
 86 <212> TYPE: DNA
 87 <213> ORGANISM: artificial
 89 <220> FEATURE:
 90 <223> OTHER INFORMATION: oligonucleotide primer
 92 <400> SEQUENCE: 6
 93 ggatctcgct ccttggaaat ggtgtatggg 29
 96 <210> SEQ ID NO: 7
 97 <211> LENGTH: 20
 98 <212> TYPE: DNA
 99 <213> ORGANISM: artificial
 101 <220> FEATURE:
 102 <223> OTHER INFORMATION: oligonucleotide primer
 104 <400> SEQUENCE: 7
 105 gagcggggca tgccaggaat 20
 108 <210> SEQ ID NO: 8
 109 <211> LENGTH: 20
 110 <212> TYPE: DNA
 111 <213> ORGANISM: artificial
 113 <220> FEATURE:
 114 <223> OTHER INFORMATION: oligonucleotide primer
 116 <400> SEQUENCE: 8
 117 tggccatcaa caccagttc 20
 120 <210> SEQ ID NO: 9
 121 <211> LENGTH: 24
 122 <212> TYPE: DNA
 123 <213> ORGANISM: artificial
 125 <220> FEATURE:
 126 <223> OTHER INFORMATION: oligonucleotide primer
 128 <400> SEQUENCE: 9
 129 ctgcgttcca acccgataat gtcc 24
 132 <210> SEQ ID NO: 10
 133 <211> LENGTH: 22
 134 <212> TYPE: DNA
 135 <213> ORGANISM: artificial
 137 <220> FEATURE:
 138 <223> OTHER INFORMATION: oligonucleotide primer
 140 <400> SEQUENCE: 10
 141 tgggggcctg ctgtcctgt ct 22

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/07/2004
PATENT APPLICATION: US/10/698,121 TIME: 14:08:47

Input Set : A:\249.00070101.SEQ LIST.ST25.txt
Output Set: N:\CRF4\05072004\J698121.raw

valid <213> Response:

of "Artificial" only as "<213> Organism" response is incomplete,
1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

#:1,2,3,4,5,6,7,8,9,10

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/698,121

DATE: 05/07/2004

TIME: 14:08:47

Input Set : A:\249.00070101.SEQ LIST.ST25.txt

Output Set: N:\CRF4\05072004\J698121.raw